

**Record 14: JP7070238A****(ENG) FILM OF COPOLYMER OF ETHYLENE AND ALPHA-OLEFIN****Assignee:** MITSUI PETROCHEMICAL IND

[ no drawing available]

**Inventor(s):** KAMIYAMA MASAKI ; MOTOOKA  
MASANORI ; UEDA TAKASHI**Application No:** JP 13083194 A**Filing Date:** 19940523**Issue/Publication Date:** 19950314

**Abstract:** (ENG) <sec>PURPOSE: To obtain the subject film useful for a packing material, etc., having specific melt flow rate, density, composition distribution, molecular weight distribution, melting point and heat of crystal fusion, showing excellent rigidity, impact resistance, transparency, heat resistance, etc. CONSTITUTION: This film has (A) 0.01-200 g/(10 minutes) melt flow rate, (B) 0.900-0.945 g/cm<sup>3</sup> density, (C)  $\leq 100$  composition distribution parameter of formula I ( $C_w$  and  $C_n$  are weight-average and number-average branch degrees, respectively), (D) the weight-average molecular weight ratio and the molecular weight distribution ratio of the high ethylene content component and the low ethylene content component of  $\geq 1.05$  and  $\leq 1$ , respectively, (E) plural melting points by differential scanning calorimeter(DSC), wherein the highest melting point  $T_1$  satisfies formula II [ $d$  is density (g/cm<sup>3</sup>) of copolymer] and is  $\leq 130^\circ\text{C}$ , (F) the ratio of heat of crystal fusion at temperature  $T_1$  to the whole heat of crystal fusion of  $\leq 0.6$  and uses (G) a 4-10C  $\alpha$ -olefin as a monomer to be copolymerized with ethylene. </sec>

**Priority Data:** JP 13083194 19940523 A X;**Related Application(s):** JP57185983 division**IPC (International Class):** C08F21016; C08J00518; C08L023